

Appendix D

Event Table

Event: Program Startup

<u>Gui Action</u>	<u>COM Object Method</u>	<i>Base Object Method</i>
Read configuration file for workstation settings		
Create and initialize global objects		
Create an instance of CCRWDoc	New CCRWDoc CCRWDoc creates its associated Base objects	new CMasterDoc new CImpExpDoc new CUser
Request a connection to the database	CCRWDoc.Connect(ODBCDataSource) Call CMasterDoc to make the connection	CMasterDoc.Connect(ODBCDataSource)
Login to the database	CCRWDoc.DbLogon(DbUserId, DbPasswd) Call CMasterDoc to login to the database	CMasterDoc DbLogon(DbUser, DbPasswd)
Log the user on to the A_Life system	CCRWDoc.SysLogon(UserId, Passwd) Call CMasterDoc to log the user on	CUser.SysLogon(UserId, Passwd)
Verify the DB schema matches the app version If incompatible schema then Exit application [end if]	CCRWDoc.GetSchemaVersion(MyVersion) Get the Schema Version from the CUser object	CUser.GetSchemaVersion()
Create an instance of CWorkQ	New CWorkQ	
Create an instance of CLookup	New CLookup	
Populate 'Payer Class' static list	CLookup.SetMode("Payer Class") CLookup.GetRowCount() CLookup.Search() While more rows do CLookup.GetNext() [done]	
Populate 'EM Level' static lists	For each of (HPI, ROS, PFSH, EXAM, DATA, DMO,	



	RISK, MDM) do CLookup.SetMode({EM Level type}) CLookup.GetRowCount() CLookup.Search() While more rows do CLookup.GetNext() [done] [done]	
Display current document list	CWorkQ.Show()	

Event: Logon Command

Gui Action	COM Object Method	Base Object Method
If there is a document open then cmdClose.DoCommand [end if]		
If a user is still logged on then Log that user off of the A-Life system [end if]	CCRWDoc.SysLogoff() Call the CUser to log the user off	CUser.SysLogoff()
Log the user on to the A_Life system	CCRWDoc.SysLogon(UserId, Passwd) Call the CUser to log the user on	CUser.SysLogon(UserId, Passwd)
Display current document list	CWorkQ.Show()	

Event: Logoff Command

Gui Action	COM Object Method	Base Object Method
cmdLogon.DoCommand		

Event: Open Document Event (Open Document Command)

Gui Action	COM Object Method	Base Object Method
Get the selected document ID	CWorkQ.GetDocIdCurrent()	
Get the number of documents in the Queue	CWorkQ.GetRowCount()	
Open the selected document	CCRWDoc.Open(DocId) Use the CInpExpDoc object to open the doc Set the CMasterDoc in 'EDIT' mode	CInpExpDoc.Get(&CMasterDoc, DocId) CMasterDoc.SetMode("EDIT")
If the document is locked then display 'Locked Document' message If request came from document list then exit to document list		

else 'request came from Next Doc button do Next Doc command [end if] [end if]		
Hide the document list	CWorkQ.Hide()	
Populate the document form(s) with field values CCRWDoc.RefreshAll()	CCRWDoc.GetAllFields() Get all fields from the CMasterDoc	CMasterDoc.GetAllFields()

Event: Document Review Bitmap Clicked

<u>Gui Action</u>	COM Object Method	Base Object Method
bmpDocReview.toggle() Update the document object	CCRWDoc.SetField("DocReview" , {toggle}) Update the field in the CMasterDoc	CMasterDoc.SetField("DocReview", {toggle})

Event: Nurse's Notes Check Box Changed

<u>Gui Action</u>	COM Object Method	Base Object Method
Update the document object	CCRWDoc.SetField("NursesNotes", {toggle}) Update the field in the CMasterDoc	CMasterDoc.SetField("NursesNotes", {toggle})

Event: Close Document Button Pushed (Document Close Command)

<u>Gui Action</u>	COM Object Method	Base Object Method
If the document has been changed then Ask if the document should be saved If the answer is yes then Save the document [end if] [end if]	CCRWDoc.Save() Use the CInpExpDoc object to save the doc	CInpExpDoc.Set(&CMasterDoc)
Close the document	CCRWDoc.Close() Delete the current CMasterDoc object Create a new "clean" CMasterDoc object	delete CMasterDoc new CMasterDoc
Display current document list	CWorkQ.Show()	

Event: Program Shutdown

<u>Gui Action</u>	COM Object Method	<i>Base Object Method</i>
If there is a document open then Execute the Document Close command [end if]		
If a user is still logged on then Log that user off of the A-Life system [end if]	CCRWDoc.SysLogoff() Call the CUser to log the user off	CUser.SysLogoff()
Logoff the database	CCRWDoc.DbLogoff() Call the CMasterDoc to log off the database	CMasterDoc.DbLogoff()
Disconnect from the database	CCRWDoc.Disconnect() Call the CMasterDoc to diconnect	CMasterDoc.Disconnect()
Delete the CCRWDoc instance	delete CCRWDoc CCRWDoc deletes its associated base objects	delete CMasterDoc delete C ImpExpDoc delete CUser
Delete the CWorkQ instance	delete CWorkQ	
Exit the application		

Event: Next Document Button Pushed

<u>Gui Action</u>	COM Object Method	<i>Base Object Method</i>
Save the document (don't ask)	CCRWDoc.Save() Use the CImpExpDoc object to save the doc	CImpExpDoc.Set(&CMasterDoc)
Close the current document	CCRWDoc.Close() Delete the current CMasterDoc object Create a new "clean" CMasterDoc object	delete CMasterDoc new CMasterDoc
Tell the WorkQ to move to the next document	CWorkQ.GetNextDoc()	
Execute the Document Open command		

Event: Previous Document Button Pushed

<u>Gui Action</u>	COM Object Method	<i>Base Object Method</i>
Save the document (don't ask)	CCRWDoc.Save()	CImpExpDoc.Set(&CMasterDoc)
Close the current document	CCRWDoc.Close() Delete the current CMasterDoc object	delete CMasterDoc new CMasterDoc

	Create a new "clean" CMasterDoc object	
Tell the WorkQ to move to the previous document	CWorkQ.GetPrevDoc()	
Execute the Document Open command		

Section: Demographics

Event: Highlight Button Pushed

<u>Gui Action</u>	COM Object Method	<i>Base Object Method</i>
Get the highlight coordinates	CCRWDoc.GetHighlights(FieldId) Get field highlights from the CMasterDoc	CMasterDoc. GetHighlights(FieldId)
frmTranscript.SetHighlight(Highlig htArray)		
frmTranscript.Refresh()		

Event: Text Field Changed

<u>Gui Action</u>	COM Object Method	<i>Base Object Method</i>
Update the document object	CCRWDoc.SetField(FieldId, Value) Update the CMasterDoc	CMasterDoc.SetField(FieldId, Value)
frmDemog.DirtyFlag = TRUE		

Event: Gender Option Button Changed

<u>Gui Action</u>	COM Object Method	<i>Base Object Method</i>
Update the document object	CCRWDoc.SetField(FieldId, Value) Update the CMasterDoc	CMasterDoc.SetField(FieldId, Value)
frmDemog.DirtyFlag = TRUE		

Event: Age Combo Box Changed

<u>Gui Action</u>	COM Object Method	<i>Base Object Method</i>
Update the document object	CCRWDoc.SetField(FieldId, Value) Update the CMasterDoc	CMasterDoc.SetField(FieldId, Value)
frmDemog.DirtyFlag = TRUE		

Event: Undo Button Pushed

<u>Gui Action</u>	COM Object Method	<i>Base Object Method</i>
Get original values from the document object	CCRWDoc.GetOrigFields(FieldId Array) Get the fields from the CMasterDoc	CMasterDoc.GetOrigFields(FieldI dArray)

frmDemog.DirtyFlag = FALSE		
frmDemog.Refresh()		

Section: EM Components

Event: Combo Box Changed

<u>Gui Action</u>	COM Object Method	<i>Base Object Method</i>
Update the document object	CCRWDoc.SetField(FieldId, Value) Update the CMasterDoc	CMasterDoc.SetField(FieldId, Value)
	If the result indicates the need to recalc EM Request the CMasterDoc do recalc [end if]	CMasterDoc.EmRecalc()
If result indicates EM recalc was done then Get original values from the document object frmEM.Refresh() 'refresh the form's fields [end if]	CCRWDoc.GetOrigFields(FieldId Array) Get the fields from the CMasterDoc	CMasterDoc.GetOrigFields(FieldId Array)
frmEM.DirtyFlag = TRUE		

Event: Undo Button Pushed

<u>Gui Action</u>	COM Object Method	<i>Base Object Method</i>
Get original values from the document object	CCRWDoc.GetOrigFields(FieldId Array) Get the fields from the CMasterDoc	CMasterDoc.GetOrigFields(FieldId Array)
frmEM.DirtyFlag = FALSE		
frmEM.Refresh()		

Section: EM Sub-Components

Event: Highlight Button Pushed

<u>Gui Action</u>	COM Object Method	<i>Base Object Method</i>
Get the highlight coordinates	CCRWDoc.GetHighlights(FieldId) Get field highlights from the CMasterDoc	CMasterDoc. GetHighlights(FieldId)
frmEMSub.SetHighlight(Highlight Array)		
frmEMSub.Refresh()		

Event: Check Box Changed

<u>Gui Action</u>	COM Object Method	Base Object Method
Update the document object	CCRWDoc.SetField(FieldId, Value) Update the CMasterDoc	CMasterDoc.SetField(FieldId, Value)
frmDemog.DirtyFlag = TRUE		

Event: Sub Componenets Tab Pushed

<u>Gui Action</u>	COM Object Method	Base Object Method
frm{Component}.Show()		

*Section: ICD9 Codes***Event: Highlight Button Pushed**

<u>Gui Action</u>	COM Object Method	Base Object Method
Get the highlight coordinates	CCRWDoc.GetHighlights(FieldId) Get field highlights from the CMasterDoc	CMasterDoc. GetHighlights(FieldId)
frmICD9.SetHighlight(HighlightArr ay)		
frmICD9.Refresh()		

Event: Code Edit Changed

<u>Gui Action</u>	COM Object Method	Base Object Method
Update the document object	CCRWDoc.SetICD9Field(Positio n, FieldId, Value) Update the CMasterDoc	CMasterDoc. SetICD9Field(Position, FieldId, Value)
frmICD9.DirtyFlag = TRUE		

Event: Description Edit Changed

<u>Gui Action</u>	COM Object Method	Base Object Method
Update the document object	CCRWDoc.SetICD9Field(Positio n, FieldId, Value) Update the CMasterDoc	CMasterDoc. SetICD9Field(Position, FieldId, Value)
frmICD9.DirtyFlag = TRUE		

Event: Position Button Pushed

<u>Gui Action</u>	COM Object Method	
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	Update the CMasterDoc	Direction)
Get the new values from the document object	CCRWDoc.GetICD9Fields() Get the fields from the CMasterDoc	CMasterDoc.GetICD9Fields()
frmICD9.refresh()		
frmICD9.DirtyFlag = TRUE		

Event: Delete Button Pushed

<u>Gui Action</u>	COM Object Method	Base Object Method
Update the document object	CCRWDoc.DeleteICD9Pos(Position) Update the CMasterDoc	CMasterDoc. DeleteICD9Pos(Position)
Get the new values from the document object	CCRWDoc.GetICD9Fields() Get the fields from the CMasterDoc	CMasterDoc.GetICD9Fields()
frmICD9.Refresh()		
frmICD9.DirtyFlag=TRUE		

Event: Lookup Button Pushed

<u>Gui Action</u>	COM Object Method	Base Object Method
Show the code lookup form	CLookup.Show(FieldId)	
Get the value selected by the user	CLookup.GetFields(FieldIdArray)	
Update code/description edit fields		
Update the document object	CCRWDoc.SetICD9Field(Position, Value) Update the CMasterDoc	CMasterDoc.SetICD9Field(Position, Value)
frmICD9.DirtyFlag=TRUE		

Event: Undo Button Pushed

<u>Gui Action</u>	COM Object Method	Base Object Method
Get original values from the document object	CCRWDoc.GetOrigICD9Fields() Get the fields from the CMasterDoc	CMasterDoc.GetOrigICD9Fields()
frmICD9.DirtyFlag = FALSE		
frmICD9.Refresh()		

Section: CPT Codes

Event: Highlight Button Pushed

<u>Gui Action</u>	COM Object Method	Base Object Method
Get the highlight coordinates	CCRWDoc.GetHighlights(FieldId) Get field highlights from the CMasterDoc	CMasterDoc. GetHighlights(FieldId)

frmCPT.SetHighlight(HighlightArray)		
frmCPT.Refresh()		

Event: Code Edit Changed

<u>Gui Action</u>	COM Object Method	Base Object Method
Update the document object	CCRWDoc.SetCPTField(Position, FieldId, Value) Update the CMasterDoc	CMasterDoc. SetCPTField(Position, FieldId, Value)
frmCPT.DirtyFlag = TRUE		

Event: Description Edit Changed

<u>Gui Action</u>	COM Object Method	Base Object Method
Update the document object	CCRWDoc.SetCPTField(Position, FieldId, Value) Update the CMasterDoc	CMasterDoc. SetCPTField(Position, FieldId, Value)
frmCPT.DirtyFlag = TRUE		

Event: Position Button Pushed

<u>Gui Action</u>	COM Object Method	Base Object Method
Update the document object	CCRWDoc.MoveCPT(Position, Direction) Update the CMasterDoc	CMasterDoc.MoveCPT(Position, Direction)
Get the new values from the document object	CCRWDoc.GetCPTFields() Get the fields from the CMasterDoc	CMasterDoc.GetCPTFields()
frmCPT.refresh()		
frmCPT.DirtyFlag = TRUE		

Event: Modifiers Edit Changed

<u>Gui Action</u>	COM Object Method	Base Object Method
Update the document object	CCRWDoc.SetCPTField(Position, FieldId, Value) Update the CMasterDoc	CMasterDoc.SetCPTFieldPosition, FieldId, Value)
update edit field on CPT form		
frmCPT.DirtyFlag=TRUE		

Event: Modifiers Lookup Button Pushed

<u>Gui Action</u>	COM Object Method	<i>Base Object Method</i>
frmCPTMods.Open()		
Update the document object	CCRWDoc.SetCPTField(Position, FieldId, Value) Update the CMasterDoc	CMasterDoc.SetCPTField(Position, FieldId, Value)
update edit field on CPT form		
frmCPT.DirtyFlag=TRUE		

Event: ICD9 Edit Changed

<u>Gui Action</u>	COM Object Method	<i>Base Object Method</i>
Update the document object	CCRWDoc.SetCPTField(Position, FieldId, Value) Update the CMasterDoc	CMasterDoc.SetCPTField(Position, FieldId, Value)
frmCPT.DirtyFlag=TRUE		

Event: Delete Button Pushed

<u>Gui Action</u>	COM Object Method	<i>Base Object Method</i>
Update the document object	CCRWDoc.DeleteCPTPos(Position) Update the CMasterDoc	CMasterDoc.DeleteCPTPos(Position)
Get the new values from the document object	CCRWDoc.GetCPTFields() Get the fields from the CMasterDoc	CMasterDoc.GetCPTFields()
frmCPT.Refresh()		
frmCPT.DirtyFlag=TRUE		

Event: Lookup Button Pushed

<u>Gui Action</u>	COM Object Method	<i>Base Object Method</i>
Show the code lookup form	CLookup.Show(FieldId)	
Get the value selected by the user	CLookup.GetFields(FieldIdArray)	
Update code/description edit fields		
Update the document object	CCRWDoc.SetCPTField(Position, Value) Update the CMasterDoc	CMasterDoc.SetCPTField(Position, Value)
frmCPT.DirtyFlag=TRUE		

Event: Undo Button Pushed

<u>Gui Action</u>	COM Object Method	Base Object Method
Get original values from the document object	CCRWDoc.GetOrigCPTFields() Get the fields from the CMasterDoc	CMasterDoc.GetOrigCPTFields()
frmCPT.DirtyFlag = FALSE		
frmCPT.Refresh()		

*Section: CPT Modifiers Closeup (Lookup)***Event: Code Combo Box Changed**

<u>Gui Action</u>	COM Object Method	Base Object Method
Update the document object	CCRWDoc.SetCPTField(Position, FieldId, Value) Update the CMasterDoc	CMasterDoc. SetCPTModField(Position, FieldId, Value)
frmCPTMod.DirtyFlag = TRUE		

Event: Description Edit Changed

<u>Gui Action</u>	COM Object Method	Base Object Method
Update the document object	CCRWDoc.SetCPTField(Position, FieldId, Value) Update the CMasterDoc	CMasterDoc. SetCPTModField(Position, FieldId, Value)
frmCPTMod.DirtyFlag = TRUE		

Event: Position Button Pushed

<u>Gui Action</u>	COM Object Method	Base Object Method
Update the document object	CCRWDoc.MoveCPTMod (Position, Direction) Update the CMasterDoc	CMasterDoc.MoveCPTMod (Position, Direction)
Get the new values from the document object	CCRWDoc.GetCPTModFields() Get the fields from the CMasterDoc	CMasterDoc.GetCPTModFields()
frmCPTMod.refresh()		
frmCPTMod.DirtyFlag = TRUE		

Event: Delete Button Pushed

<u>Gui Action</u>	COM Object Method	Base Object Method
Update the document object	CCRWDoc.DeleteCPTMod(Position) Update the CMasterDoc	CMasterDoc. DeleteCPTModPos(Position)

		on)
Get the new values from the document object	CCRWDoc.GetCPTModFields() Get the fields from the CMasterDoc	CMasterDoc.GetCPTModFields()
frmCPTMod.Refresh()		
frmCPTMod.DirtyFlag=TRUE		

Event: OK Button Pushed

<u>Gui Action</u>	COM Object Method	Base Object Method
frmCPTMods.Hide()		
return(OK)		
frmCPT.Refresh()		

Event: Cancel Button Pushed

<u>Gui Action</u>	COM Object Method	Base Object Method
Get original values from the document object	CCRWDoc.GetOrigCPTFields(FieldIdArray) Get the fields from the CMasterDoc	CMasterDoc.GetOrigCPTFields(FieldIdArray)
frmCPT.DirtyFlag = FALSE		
frmCPTMods.Hide()		
return(CANCEL)		

Event: Undo Button Pushed

<u>Gui Action</u>	COM Object Method	Base Object Method
Get original values from the document object	CCRWDoc.GetOrigCPTFields() Get the fields from the CMasterDoc	CMasterDoc.GetOrigCPTFields()
frmCPT.DirtyFlag = FALSE		
frmCPT.Refresh()		

Section: Print Box

Event: Option Button Changed

<u>Gui Action</u>	COM Object Method	Base Object Method
{No action}		

Event: Print Button Pushed

<u>Gui Action</u>	COM Object Method	Base Object Method
Determine the print option selected		
frmCRWDoc.Print(Option)		

Section: Transcription

Event: Find Start Button Pushed

<u>Gui Action</u>	COM Object Method	<i>Base Object Method</i>
set cursor to start of first highlight value		
frmTranscript.Refresh()		

Event: Find End Button Pushed

<u>Gui Action</u>	COM Object Method	<i>Base Object Method</i>
set cursor to end of last highlight value		
frmTranscript.Refresh()		

Event: Turn Off Trace Button Pushed

<u>Gui Action</u>	COM Object Method	<i>Base Object Method</i>
frmTranscript.SetHighlight(NULL)		
frmTranscript.Refresh()		
Display "Turn On Trace" button		

Event: Turn On Trace Button Pushed

<u>Gui Action</u>	COM Object Method	<i>Base Object Method</i>
Display "Turn Off Trace" button		